CLAIMS:

1. A device for noise reduction in video signals, characterized in that, the image signals are split into at least a local lower frequency content and a local higher frequency content, that the higher frequency spectral content is passed through a time filter (15) and that the output signal from the time filter (15) and the correspondingly delayed lower frequency spectral content are added to form a noise-reduced video signal.

2. A device as claimed in claim 1, characterized in that, the time filter (15) is a recursive filter, the feedback factor of which can be controlled by a movement detector (8), to which the higher frequency spectral content can be fed.

3. Device as claimed in either of claims 1 or 2, characterized in that, to derive the lower frequency spectral content a local low-pass filter (12) with a size of approximately 5x5 to 11x11 pixels is provided and in that to derive the higher frequency spectral content a subtraction of the lower frequency spectral content from the video signal time-delayed in accordance with the filter operation time takes place.

4. Device as claimed in any of the above claims, characterized in that, furthermore a medium spectral content of the video signal is derived and in that the medium spectral content is passed through a further time filter (23) and in that the output signal from the further time filter (23) is added to the time-delayed lower frequency spectral content and to the output signal of the time filter (15).

5. Device as claimed in claim 4, characterized in that, the further time filter (23) is a further recursive filter, the feedback factor of which can be controlled by a further movement detector, to which the medium spectral content can be fed.

6. Device as claimed in any of the above claims, characterized in that, the output signal from the time filter (15) and/or the output signal from the further time filter (23) can be controlled with a movement signal in such a way that the amplitude of the output signal is reduced as the movement increases.

7. Device as claimed in claim 6, characterized in that, the reduction at a specified value uses a movement signal representing the movement and for a large movement signal drops to a minimum value.